

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A light-emitting device comprising:
~~a transparent or semi-transparent first substrate~~ a first electrode;
~~a second substrate provided opposite to the first substrate;~~
~~a transparent or semi-transparent first electrode provided on the first substrate;~~
a second electrode provided ~~on the second substrate~~ so as to be opposite to the first electrode; and
a light-emitting layer which contains a metal oxide semiconductor porous body, by the surface of which an organic light-emitting material is supported, and is provided between the first electrode and the second electrode.
2. (Original) The light-emitting device according to claim 1, wherein the metal oxide semiconductor porous body is composed of a metal oxide semiconductor particulate powder.
3. (Original) The light-emitting device according to claim 2, wherein the metal oxide semiconductor particulate powder is made of an n-type semiconductor material.
4. (Currently Amended) The light-emitting device according to ~~any one of claims 1 to 3~~ claim 1, wherein the organic light-emitting material is chemisorbed to the surface of the metal oxide semiconductor porous body.
5. (Currently Amended) The light-emitting device according to ~~any one of claims 1 to 4~~ claim 1, further comprising at least one organic layer provided between the first electrode and the second electrode in addition to the light-emitting layer, the organic layer containing an adhesive

organic material so as to function as an adhesive layer through which adjacent upper and lower layers thereof are bonded together.

6. (Original) The light-emitting device according to claim 5, further comprising a spacer dispersed in the organic layer, by which the thickness of the organic layer is defined.

7. (Original) The light-emitting device according to claim 6, wherein the spacer is composed of transparent or semi-transparent particles.

8. (Currently Amended) The light-emitting device according to claim 6 or 7, wherein the spacer is made of an insulating material.

9. (Currently Amended) The light-emitting device according to any one of claims 6 to 8 claim 6, wherein the particle diameter of the spacer is in the range of 0.01 to 10 μm .

10. (Original) The light-emitting device according to claim 5, wherein the adhesive organic material contained in the organic layer contains at least a polymer-based material.

11. (Currently Amended) The light-emitting device according to any one of claims 5 to 10 claim 5, wherein the first substrate is a glass substrate, wherein the first electrode is an electron injection electrode, the second electrode is a hole injection electrode, and the organic layer is a hole transport layer, and wherein the hole transport layer functions as an adhesive layer through which adjacent upper and lower layers thereof are bonded together.

12. (Currently Amended) The light-emitting device according to any one of claims 5 to 11 claim 5, further comprising a low refractive index layer provided between the first substrate and the first electrode, wherein the first electrode is a hole injection electrode, the second electrode is an electron injection electrode, and the organic layer is a hole transport layer, and wherein the hole transport layer functions as an adhesive layer through which adjacent upper and lower layers thereof are bonded together.

13. (Currently Amended) The light-emitting device according to any one of claims 5 to 12 claim 11, wherein the first electrode is an electron injection electrode, the second electrode is a hole injection electrode, and the organic layer is a hole transport layer, and wherein the hole transport layer functions as an adhesive layer through which adjacent upper and lower layers thereof are bonded together. further comprising a hole injection layer provided between the hole injection electrode and the hole transport layer.

14. (Currently Amended) The light-emitting device according to any one of claims 5 to 12 claim 11, wherein the first electrode is a hole injection electrode, the second electrode is an electron injection electrode, and the organic layer is a hole transport layer, and wherein the hole transport layer functions as an adhesive layer through which adjacent upper and lower layers thereof are bonded together. further comprising an electron transport layer provided between the electron injection electrode and the light-emitting layer.

15. (Currently Amended) The light-emitting device according to any one of claims 5 to 12 claim 1, further comprising a hole transport layer, wherein the first electrode is an electron injection electrode, the second electrode is a hole injection electrode, the hole transport layer is provided between the light emitting layer and the hole injection electrode, and the organic layer is an electron transport layer, and wherein the electron transport layer functions as an adhesive layer through which adjacent upper and lower layers thereof are bonded together. thin film transistor connected to the second electrode.

16. (Currently Amended) The light-emitting device according to any one of claims 5 to 12 claim 15, further comprising a hole transport layer, wherein the first electrode is a hole injection electrode, the second electrode is an electron injection electrode, the hole transport layer is provided between the light emitting layer and the hole injection electrode, and the organic layer is an electron transport layer, and wherein the electron transport layer functions as an adhesive layer through which adjacent upper and lower layers thereof are bonded together. wherein the thin film transistor is an organic thin film transistor composed of a thin film containing an organic material.

17. (Currently Amended) ~~The light emitting device according to any one of claims 5 to 12, further comprising a hole transport layer, wherein the first electrode is an electron injection electrode, the second electrode is a hole injection electrode, the hole transport layer is provided between the light emitting layer and the organic layer, and the organic layer is a hole injection layer, and wherein the hole injection layer functions as an adhesive layer through which adjacent upper and lower layers thereof are bonded together.~~

A display comprising:

a light-emitting device array in which the plurality of light-emitting devices according to claim 15 are two-dimensionally arrayed;

a plurality of x electrodes extending in parallel with each other in a first direction parallel to the surface of the light-emitting device array; and

a plurality of y electrodes extending in parallel with each other in a second direction parallel to the surface of the light-emitting device array and perpendicular to the first direction, wherein each of the thin film transistors of the light-emitting device array is connected to the x electrode and the y electrode.

18. (Currently Amended) ~~The light emitting device according to any one of claims 5 to 12, further comprising a hole transport layer, wherein the first electrode is a hole injection electrode, the second electrode is an electron injection electrode, the hole transport layer is provided between the light emitting layer and the organic layer, and the organic layer is a hole injection layer, and wherein the hole injection layer functions as an adhesive layer through which adjacent upper and lower layers thereof are bonded together. The display according to claim 17, further comprising a region composed of a metal oxide semiconductor porous body by the surface of which a black dye is supported, by which the adjacent plurality of light-emitting devices two-dimensionally arrayed are separated from each other.~~

19-42. (Cancelled)